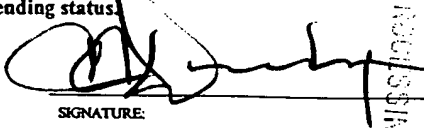


410 Rec'd PCT/PTO 22 MAR 2000

U.S. APPLICATION NO. (if known, use 37 CFR 1.51) 09/509126		INTERNATIONAL APPLICATION NO. PCT/US98/21287		ATTORNEY'S DOCKET NUMBER	
17. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) : Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$970.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$840.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$760.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$670.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$96.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY \$ 96.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	26 - 20 =	6	X \$18.00	\$ 108.00	
Independent claims	3 - 3 =	0	X \$78.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$260.00		
TOTAL OF ABOVE CALCULATIONS =				\$ 204.00	
Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).				\$	
SUBTOTAL =				\$ 204.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
TOTAL NATIONAL FEE =				\$ 204.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+ \$40.00	
TOTAL FEES ENCLOSED =				\$ 244.00	
				Amount to be:	\$
				refunded	
				charged	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>204.00</u> to cover the above fees is enclosed (National fees) and A check in the amount of \$40.00 for the assignment					
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>18-1829</u> . A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
Charles E. Dunlap Howell & Haferkamp, L.C. 7733 Forsyth Blvd., Suite 1400 St. Louis, Missouri 63105				SIGNATURE:  Charles E. Dunlap NAME 35,124 REGISTRATION NUMBER	

Form PTO-1390 (REV 11-98) page 2 of 2

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

6010-4074

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

09/509126

INTERNATIONAL APPLICATION NO

PCT/US98/21287

INTERNATIONAL FILING DATE

08 OCTOBER 1998

PRIORITY DATE CLAIMED

09 OCTOBER 1997

TITLE OF INVENTION Measurement And Control of Asphaltene Agglomeration in Hydrocarbon Liquids

APPLICANT(S) FOR DOWNS

~~-JONES, Gregory M. : POVEY, Malcolm J. W. : CAMPBELL, John~~

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ has been transmitted by the International Bureau.
 - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information: Postcard

PATENT COOPERATION TREATY
IN THE UNITED STATES RECEIVING OFFICE

CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this 22 day of March, 2000 in an envelope as "Express Mail Post Office To Addressee" Mailing Label Number EL470245757US addressed to: BOX PCT, Commissioner of Patents and Trademarks, Washington, D.C. 20231 -- Attn: DO/EO/US.

Amy Bresnahan
Print or Type Name

Signature _____

In Re International Application of
Gregory M. JONES
Malcolm J.W. POVEY
John CAMPBELL

International Application No.
PCT/US98/21287

: Authorized Officer

International Filing Date:
October 8, 1998

For: Measurement and Control of Asphaltene Agglomeration in Hydrocarbon Liquids

Assistant Commissioner for Patents
Box PCT
Washington, D.C. 20231
Attn: DO/EO/US

LETTER

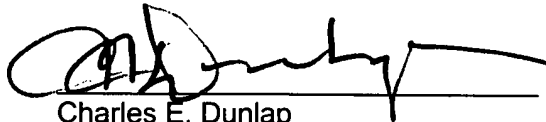
Enclosed herewith please find:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371;
2. Combined Declaration and Power of Attorney;
3. Assignment, including Cover Sheet;
4. Check for \$40.00 for recordal of Assignment;
5. Statement Claiming Small Entity Status;

- 6 Check for \$204.00 for the Basic National Fee. If this amount is insufficient, please be hereby authorized to charge our deposit account 18-1829 or credit any excess thereto; and
7. Duplicate copy of this letter.

Please file said national phase application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'CDunlap', written over a horizontal line.

Charles E. Dunlap
Reg. No. 35,124
HOWELL & HAFERKAMP, L.C.
7733 Forsyth Boulevard
Suite 1400
St. Louis, Missouri 63105
(314) 727-5188